

DYNAMIC VENDOR SELECTION: A FUZZY AHP APPROACH

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ABSTRACT

In the ever-changing business world, appropriate vendor selection can be crucial in supply chain management. Dynamic models supporting vendors with time axis are not always crisp; rather they involve a high degree of fuzziness and uncertainty in real life situations. This paper proposes a dynamic model with uncertainty based on Fuzzy AHP for long-term strategic vendor selection problems. The selection of partnership suppliers is likewise illustrated by this methodology.

Key words: Analytic hierarchy process (AHP), Dynamic model, Fuzzy Sets, Supply Chain Management